(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 23 June 2005 (23.06.2005)

PCT

(10) International Publication Number WO 2005/055748 A2

(51) International Patent Classification7:

A24F 13/00

(21) International Application Number:

PCT/NL2004/000868

(22) International Filing Date:

13 December 2004 (13.12.2004)

(25) Filing Language:

Dutch

(26) Publication Language:

English

(30) Priority Data:

1025006

12 December 2003 (12.12.2003) NL

(71) Applicant (for all designated States except US): GID-DING HOLDING B.V. [NL/NL]; Kerkstraat 8, NL-6661 NS Elst (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): GIDDING, Marinus, Theodorus, Franciscus, Maria [NL/NL]; Kerkstraat 8, NL-6661 NS Elst (NL).

(74) Agent: HYLARIDES, Paul, Jacques; Arnold & Siedsma, Sweelinckplein 1, NL-2571 GK The Hague (NL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

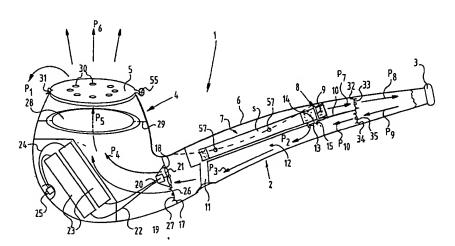
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DEVICE AND METHOD FOR FILTERING SMOKE



2005/055748 A2 III (57) Abstract: The present invention comprises a device for filtering tobacco smoke from a tobacco product, comprising a housing in which the tobacco product can be arranged, and a filter for filtering tobacco smoke, the housing comprising: - a tobacco reservoir for holding tobacco, - an outside air feed for feeding from the environment outside air necessary for the combustion of the tobacco, - a tobacco smoke discharge for discharging tobacco smoke caused by the combustion, - a filter connected to the tobacco smoke discharge for filtering substances harmful to the environment from the tobacco smoke which can be guided therealong, - a mouthpiece which can be connected to the housing and which is connected to the tobacco reservoir and the smoke discharge for the purpose of supplying tobacco smoke from the tobacco reservoir during inhalation and guiding tobacco smoke through the smoke discharge during exhalation.



(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 23 June 2005 (23.06.2005)

PCT

(10) International Publication Number WO 2005/055748 A3

- (51) International Patent Classification7: A24F 13/00, 7/04
- (21) International Application Number:

PCT/NL2004/000868

(22) International Filing Date:

13 December 2004 (13.12.2004)

(25) Filing Language:

Dutch

(26) Publication Language:

English

(30) Priority Data: 1025006

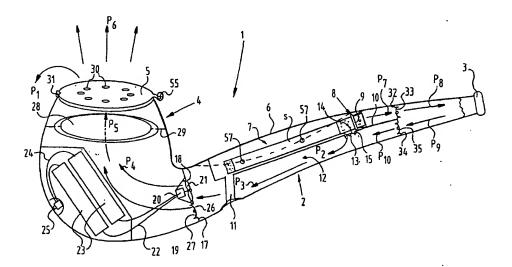
12 December 2003 (12.12.2003) N

- (71) Applicant (for all designated States except US): GID-DING HOLDING B.V. [NL/NL]; Kerkstraat 8, NL-6661 NS Elst (NL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): GIDDING, Marinus, Theodorus, Franciscus, Maria [NL/NL]; Kerkstraat 8, NL-6661 NS Elst (NL).

- (74) Agent: HYLARIDES, Paul, Jacques; Arnold & Siedsma, Sweelinckplein 1, NL-2571 GK The Hague (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: DEVICE AND METHOD FOR FILTERING SMOKE



(57) Abstract: The present invention comprises a device for filtering tobacco smoke from a tobacco product, comprising a housing in which the tobacco product can be arranged, and a filter for filtering tobacco smoke, the housing comprising: - a tobacco reservoir for holding tobacco, - an outside air feed for feeding from the environment outside air necessary for the combustion of the tobacco, - a tobacco smoke discharge for discharging tobacco smoke caused by the combustion, - a filter connected to the tobacco smoke discharge for filtering substances harmful to the environment from the tobacco smoke which can be guided therealong, - a mouthpiece which can be connected to the housing and which is connected to the tobacco reservoir and the smoke discharge for the purpose of supplying tobacco smoke from the tobacco reservoir during inhalation and guiding tobacco smoke through the smoke discharge during exhalation.



WO 2005/055748 A3



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

. 18 August 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.